

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0021] as follows:

[0021] FIG. 2 is a block diagram showing operation of a substrate transfer system according to the present invention; and

Please amend paragraph [0022] as follows:

[0022] FIG. 3 is a block diagram showing operation of a substrate transfer system according to another embodiment of the present invention[[.]]; and

Please add the following new paragraph immediately above the heading “DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS”:

[0022.1] FIG. 4 is a conceptual view showing a substrate transfer system in accordance with the present invention.

Please amend paragraph [0024] as follows:

[0024] The With reference to FIG. 4, the present invention contemplates a plurality of cassettes 401 where a plurality of substrates classified according to each process are loaded and stored in a cassette stoker 410. Also, a robot arm 402 for loading/unloading the substrate cassette 401 into/from the cassette stoker 410, and a receiver for receiving data from a host 420 may be provided in the cassette stoker 410.

Please amend paragraph [0025] as follows:

[0025] The auto guided vehicle 403 comprises a cassette loading unit formed at an upper portion of the auto guided vehicle 403 and on which a cassette 401 is placed, a caster arranged at a lower portion of the auto guided vehicle 403 for moving the auto guided vehicle 403, a caster driving unit for driving the caster, data transmitting/receiving unit for transmitting/receiving data to/from a host 420 by wire/wireless communication, a bar code reader 405 for reading a bar code 404 attached to a cassette 401, and a robot arm 402 for loading/unloading a cassette 401 on/from a shelf of a corresponding stage 430. A position detector sensor for detecting a position of the auto guided vehicle 403 and transmitting the information to the host 420 is mounted, for example, at a predetermined location of a rail which determines a moving path 406 of the auto guided vehicle 403. The position detecting sensor is generally installed in front of respective stages to stop the auto guided vehicle 403

in front of them. A shelf for loading/unloading the substrate cassette 401 from the auto guided vehicle 403, and a substrate cassette detecting sensor for detecting the processed substrate cassette 401 are installed on the stage 430.

Please amend paragraph [0026] as follows:

[0026] The bar code reader 405 for reading a bar code 404 attached to a predetermined position of the cassette 401 is installed in the auto guided vehicle 403 which transfers the cassette 401. The bar code reader 405 can be installed at the robot arm 402 arranged at one side of the auto guided vehicle 403. Here, the bar code reader 405 need not be installed on the shelf of each stage 430.